Name: Archana Chandrashekhar Magare

Designation: Assistant Professor-CSE

School: **School of Technology**

Research Interest:
- Artificial Intelligence and Machine Learning
- Health Informatics

Academic Background:

Degree	Subject	University	Year
Ph. D(Pursuing)	Computer Engineering	Gujarat Technological University , Ahmedabad	2018-2023
M.E.	Computer Sci. & Engg.	North Maharashtra University, Jalgaon	2012-2014
B.E.	Information Technology	North Maharashtra University, Jalgaon	2000-2003
Diploma	Computer Engineering	Board of Technical Education, Mumbai	1993-1996

Professional Experience:

From	Period	Position	Organisation
1st October 2020	13th July 2022	Assistant Professor (CSE)-SoCSET	ITM(SLS) Baroda University, Vadodara
6th August 2013	30th September 2020.	Assistant Professor (CSE)	ITM Universe, Baroda

Teaching Engagements:

Title	Course Code	Class Name	School Name
Data Science for Engineers	BTCS505	Sem 5	SOT
Machine Learning for Intelligent System	BTCS705	Sem 7	SOT

Publications:

"Biomarkers Identification for Parkinson's Disease using Machine Learning" in IEEE explore *2021* International Conference on Artificial Intelligence and Machine Vision (AIMV), 2021, pp. 1-6, doi: 10.1109/AIMV53313.2021.9670941. ISBN: 978-1-6654-4211-4 Date **Added to IEEE Explore- 10 January 2022.**

"Artificial Intelligence and Stochastic Process-Based Analysis of Human Psychiatric Disorders", in Journal of Advanced Medical Sciences and Applied Technologies(JAMSAT),2021,ISSN-2423-5903,EISSN-2538-447.

"ReactJS: A Modern Web Development Framework", in International Journal of Innovative Science and Research Technology, Volume 5, Issue 11, pp.698-702 November 2020

"Inherent Mapping Analysis of Agile Development Methodology Through Design Thinking", In: Kotecha K., Piuri V., Shah H., Patel R. (eds) Data Science and Intelligent Applications. Lecture Notes on Data Engineering and Communications Technologies, vol 52. Springer, Singapore. https://doi.org/10.1007/978-981-15-4474-3_57; June-2020

"Computational Identification of Biomarkers", in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075,9(7s) ,pp.1-5, May 2020

"Emotion Model for Artificial Intelligence and their Applications", In IEEE 2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Solan Himachal Pradesh, India, 2018, pp. 335-339.doi:10.1109/PDGC.2018.8745840 Date **Added to IEEE Explore- 27 June 2019.**

"Time Table Generation: Constraint Programming through Random Function Approach", in International Journal on Future Revolution in Computer Science & Communication Engineering (Volume: 4, Issue: 4 , April 2018ISSN: 2454-4248)

"Time Table Generation using Constraint Programming Approach", in International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE) (*Volume: 4, Issue: 3, March 2018 ISSN: 2454-4248)*

"Cognitive evolution in software development life cycle through design thinking", in COMPUTER MODELLING & NEW TECHNOLOGIES 2017 21(3) 31-34 (Scientific and research journal of Latvian Transport Development and Education Association, Latvia).

"Improved Membership Function for Multiclass Clustering with Fuzzy Rule Based Clustering Approach" in International Journal of Emerging Trends & Technology in Computer Science (IJETTCS*) (Volume 3, Issue 5, September-October 2014 ISSN 2278-6856)*

"Improvement in membership function for multiclass clustering with Fuzzy Rule Based clustering Approach" in International Journal of Advanced Engineering and Global Technology (*Vol-2, Issue-4, April 2014* ISSN No: 2309-4893)

"Study and Review of Various Identity and Privacy Management Techniques in Consumer Cloud Computing" in -GIT (Gandhinagar Institute of Technology) Journal of Engineering and Technology (*2013 Sixth Volume, National Level Research Journal*-ISSN 2249 -6157)

WORKSHOP:

Resource Person

- ❖ Worked as a Resource Person for workshop on data analytics and machine learning through WEKA(waikato environment for knowledge analysis)2019 organized by CSE department at ITM Universe, Vadodara
- ❖ Worked as a Resource Person in "National WorkShop on Machine Learning" organized by CSE department and MCA department at Institute of Technology and Management Universe, Vadodara from 18th June 2018 to 23rd June 2018.

Participation

- ❖ Participated in "Machine Learning Workshop" organized by ITM(SLS) Baroda University, Vadodara from 4/3/2020 to 6/3/2020.
- ❖ Participated in "Two Weeks Faculty Development Programme on Entrepreneurship Development" organized by CED at Institute of Technology and Management Universe, Vadodara from 19th June 2017 to 3 July 2017.
- ❖ Participated in "Faculty Orientation program on Teaching Methods and research"" at Institute of Technology and Management Universe, Vadodara from 3rd May 2017 to 6th May 2017.
- ❖ Member of organizing committee of "2nd National Workshop on Big Data Analytics :Spark and Python" at, Institute of Technology and Management Universe, Vadodara on 26th to 28th Feb 2016.
- ❖ Participated in "Instructional Workshop on Scientific Computing using Matlab (IWSCM)-2015", at, The Maharaja Sayajirao University of Baroda on 7th to 11th January 2015.
- ❖ Participated in "Faculty Development Program for Business Model Canvas" at Gujarat Technological University, Ahmedabad on 17th April 2015.
- ❖ Member of organizing committee of "National Workshop on Big Data Analytics Hadoop and Map reduce" at, Institute of Technology and Management Universe, Vadodara on 21st to 23rd Feb 2014.
- ❖ Participated in "Faculty Development Program of new curriculum for degree engineering program" at Gujarat Technological University,Ahmedabad on 19th October 2013.

CONFERENCE

- ❖ Presented Paper "Inherent Mapping Analysis of Agile Development Methodology Through Design Thinking" in 1st International Conference on Data Science and Intelligent Applications (ICDSIA-20) 24-25 January 2020
- ❖ Presented Paper "Computational Identification of Biomarkers" in International Conference. on Recent Advances in Computer Science and Technology. 21st -22nd February 2020.
- ❖ Presented Paper "Biomarkers Identification for Parkinson's Disease using Machine Learning" in 1ST IEEE International Conference on Artificial Intelligence and Machine Vision(AIMV)-2021 24th -26th September 2021

INTERNATIONAL INTERNSHIP
- ❖ Co-guide for the project-Artificial Intelligence and Stochastic process based analysis of human psychiatric disorders from Shriaz University of Medical Sciences,Shiraz,Iran.

Book: --

Patent

      1.Patent filed number-201921039489

Title of Patent- Intelli-A(Cognitive impact analysis of design thinking) on SDLC in agile development community.

Filing Date-31/9/2019

2.Patent filed number-202021034388

Title of Patent-Data Security Fencing algorithm through Geo-location Approach

Filing Date-11/8/2020

Awards/Recognitions:

Awarded "Best Employee of the Institute 2019" for significant contribution in Computer Science and Engineering department ,ITM(SLS) Baroda University, Vadodara